

**Process for the manufacture of large zeolite crystals.**

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The large flat-shaped crystals of zeolites of the pentasil type are prepared from SiO<sub>2</sub> and a compound of one or more trivalent elements, such as Al, B, Fe, Ga, Cr in amine-containing solutions, in which the SiO<sub>2</sub>-containing starting material used is highly disperse SiO<sub>2</sub> prepared by pyrolysis of a silicon chloride compound.

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